

ne-Western Company, Inc.

Well Information

Omaha, Nebraska

Contract Harlan, Iowa Date 12-12-78

City and State Harlan, Iowa Driller Harold Statz

Well No. 22 at test hole No. 300' south of filter plant.

Work completed No of man hours as charged to job on time sheet

MATERIAL:	LENGTH	DIA.	GAUGE OR WALL THICKNESS	MATERIAL	TYPE	NO. OF OPENINGS
Screen	<u>10'</u>	<u>10"</u>		<u>S.S.</u>	<u>Johnson</u>	<u>.080</u>
Inner Casing	<u>33'</u>	<u>10"</u>	<u>.365</u>	<u>Steel</u>	<u>welded</u>	
Outer Casing						

tons of gravel used in the well. Size #3 Northern

Test of well. Did you use test or permanent pump? test 10" 4
Size of Bowl Stages

Size of orifice 4 inch by 2 1/2 inch. Orifice tube reading 10 1/2 inches.

Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
<u>4 Hrs.</u>	<u>70</u>	<u>19'</u>	<u>4</u>	<u>23'</u>

Recovery in 5 minutes full, in 30 minutes full

Did you seal bottom of well? Yes Thickness 3/16 inches, material S.S.

Well underreamed? No From feet to feet, feet to feet.

If all screen was not placed at bottom, state how it was spaced.

From 2.6 feet to 36 feet; from feet to feet; from feet to feet.

Depth of well from ground level to top of plug 36 Size of drilled hole 28"

Was cement placed around or between any of the casings? Yes

If so, state where, how much and method used. 7' 7' 1 1/2 Yds.

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well from ground level:

[illegible]